

Determination of the Parameters of the Hole Bottom Zone of a Vertical Well from the Results of Thermodynamic Investigations

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Abstract

© 2016, Springer Science+Business Media New York. A computational algorithm for estimating the parameters of the hole bottom zone from the results of measuring pressure and temperature at the bottom hole of a vertical well is suggested. The ambiguity of determining the permeability and of the hole bottom zone radius depending on the original information is shown.

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Keywords

hole bottom zone, inverse problem, skin factor, thermohydrodynamic investigations